

BOROVSKIY, P. V.

BOROVSKIY, P. V. "Investigation of the strength of oblique plates." Min Higher Education Ukrainian SSR. Kiev Construction Engineering Inst. Kiev, 1956. (Dissertation for the Degree of Candidate in Technical Science).

So: . Knizhnaya letopis', No. 15, 1956. Moscow.

BOROVSKIY, P.V., kand. tekhn. nauk.

~~SECRET~~ Bending of elastic oblique-angled plates. Trudy Kiev. avt.-dor. inst.
no.3:98-103 '57. (MIRA 11:5)

(Elastic plates and shells)

BOROVSKIY, P. V.

PHASE I BOOK EXPLOITATION

SOV/6206 75

Konferentsiya po teorii plastin i obolochek. Kazan', 1960.

Trudy Konferentsii po teorii plastin i obolochek, 24-29 oktyabrya 1960. (Transactions of the Conference on the Theory of Plates and Shells Held in Kazan', 24 to 29 October 1960). Kazan', [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; F. S. Isanbayeva, Secretary; N. A. Alomyae, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev, A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin, A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirskiy, R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin; Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and engineers who are interested in the analysis of strength and stability of shells.

Card 1/14

Transactions of the Conference (Cont.)

SOV/6206

COVERAGE: The book is a collection of articles delivered at the Conference on Plates and Shells held in Kazan' from 24 to 29 October 1960. The articles deal with the mathematical theory of plates and shells and its application to the solution, in both linear and nonlinear formulations, of problems of bending, static and dynamic stability, and vibration of regular and sandwich plates and shells of various shapes under various loadings in the elastic and plastic regions. Analysis is made of the behavior of plates and shells in fluids, and the effect of creep of the material is considered. A number of papers discuss problems associated with the development of effective mathematical methods for solving problems in the theory of shells. Some of the reports propose algorithms for the solution of problems with the aid of electronic computers. A total of one hundred reports and notes were presented and discussed during the conference. The reports are arranged alphabetically (Russian) by the author's name.

Card 2/14

Transactions of the Conference (Cont.)

SOV/6206 /

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Card 4/14

BOROVSKIY, P.Z., gornyy inzh.; MUDROV, P.A., inzh.

Comment on B.P. Bogoliubov and B.P. Iumatov's articles "Calculating the depth of external main trench sinking." Gor.zhur. no.3:76 Mr '60.
(MIRA 14:5)

1. Uralgiprosnakht, Sverdlovsk (for Borovskiy). 2. Giprotsvetmet,
Moskva (for Mudrov).

(Mining engineering)

(Bogoliubov, B.P.) (Iumatov, B.P.)

BOROVSKIY, R.I.; KATS, A.M.; PROKOPOV, V.K.

Theory of linear filtering accelerometers. Trudy LPI no.192:84-97
'58. (MIRA 11:6)

(Accelerometers)

YAVORSKIY, F.; BOROVSKIY, S.

Over-all mechanization of sugar beet cultivation. Nauka i pered. op.
v sel'khoz. 8 no. 7:40-42 J1 '58. (MIRA 11:8)

(Sugar beets)
(Agricultural machinery)

SAPARGALIYEV, G.S., kand. yurid.nauk; PAL'GOV, N.N., akad.; BOGATYREV, A.S.;
AFANAS'YEV, A.V., prof.; BYKOV, B.A.; SHAKHMATOV, V.F., kand. istor.
nauk; POKROVSKIY, S.N., akad.; SAVOS'KO, V.K., kand. istor. nauk;
NUSUPBEKOV, A.N., kand. istor. nauk; BAISHEV, S.B., akad.; GOROKH-
VODATSKIY, I.S., kand. istor. nauk; AKHMETOV, A., kand. istor. nauk;
RAKHIMOV, A., kand. istor. nauk; PIVEN', N.F.; CHULANOV, G.Ch., doktor
ekonom. nauk; BOROVSKIY, V.A., kand. ekonom. nauk; SYDYKOV, A.S., kand.
pedagog. nauk; ZHANGEL'DIN, T., kand. filos. nauk; KARASAYEV, L.K.;
KANAPIN, A.K., kand. istor. nauk; BELENOV, M.D., kand. ekonom. nauk;
KARYNBAYEV, S.R., kand. med. nauk; AKHMETOV, K.A.,; SMIRNOVA, N.S.,
doktor filolog.nauk; SIL'CHENKO, M.S., doktor filolog. nauk; YERZA-
KOVICH, B.G., kand. iskusstvovedcheskikh nauk; RYBAKOVA, N.; MUKHTA-
ROV, A.I.; BOGATENKOVA, L.I.; KUNDAKBAYEV, B.; SIRANOV, K.S.; SHVID-
KO, Z.A., red.; MAMTSOVA, L.B., red.; ZLOBIN, M.V., tekhn. red.

[The Soviet Kazakh Socialist Republic] Kazakhskaya Sovetskaya So-
tsialisticheskaya Respublika. Alma-Ata, Kazakhskoe gos. izd-vo,
1960. 477 p. (MIRA 14:6)

1. Akademiya nauk Kaz.SSR (for Pal'gov, Pokrovskiy, Baishev)
2. Chlen-korrespondent Akademii nauk KazSSR (for Bykov, Smirnova,
Sil'chenko)

(Kazakhstan)

KAVUN, Vasilii Mikhaylovich. Prinimali uchastiye: BABSKIY, I.I.;
BOROVSKIY, V.A.; VITKOVSKIY, M.P.; ZIMOVETS, V.N.;
SEREDENKO, B.N.; PITUL'KO, V.Ye.; CHEPURNOV, I.A.;
BLAZHEVSKIY, V.K.; YAROPUD, V.N.; RYBAK, V.N.; KUZIK, G.I.;
ZADNEPRYANETS, G.V.; IVANOV, A.N., red.; HELOVA, N.N.,
tekhn. red.

[Efficient farm management] Ratsional'noe vedenie khoziaistva.
Moskva, Sel'khozizdat, 1963. 205 p. (MIRA 16:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut ekonomiki i organizatsii sel'skogo khozyaystva (for Bab'skiy, Borov'skiy, Vitkov'skiy, Zimovets, Seredenko, Pitul'ko, Chepur'nov).
 2. Vin'itskaya gosudarstvennaya sel'skokhozyaystvennaya opyt'naya stantsiya (for Blazhev'skiy, Yaropud). - 3. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya (for Rybak).
 4. Sekretar' partiynoy organizatsii kolkhoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza (for Kuzik).
 5. Glavnyy agronom kolkhoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza (for Zadnepryanets).
- (Collective farms—Management)

BOROVSKIY, Viktor Anastasyevich; SOKOLOV, Nikolay Ivanovich

[Organizational and economic consolidation of the collective farms of Kazakhstan] Organizatsionno-khoziaistvennoe ukreplenie kolkhozov Kazakhstana. Alma-Ata, Kazgosizdat, 1961. 117 p. (MIRA 15:8)

(Kazakhstan--Collective farms)

ALTAYSKIY, I.P., kand. sel'khoz. nauk; CHESHKOV, A.F., kand. ekon. nauk; MALIN, A.S., kand. ekon. nauk [deceased]; BOROVSKIY, V.A., kand. ekon. nauk; AREF'YEV, T.I., kand. ekon. nauk; GLINYANYI, V.G., kand. ekon. nauk; FRAYER, S.V., kand. sel'khoz. nauk; VINTAYKIN, Z.P., kand. ekon. nauk; DUDOROV, I.T., kand. ekon. nauk; BUSAROV, N.A., kand. sel'khoz. nauk; LUK'YANOV, A.D., kand. sel'khoz. nauk; RAKITINA, Ye.D., red.; SOKOLOVA, N.N., tekhn. red.

[Production brigades on collective and state farms] Proizvodstvennyye brigady v kolkhozakh i sovkhozakh. Moskva, Sel'khozizdat, 1963. 374 p. (MIRA 17:1)
(Farm management)

NIKOL'SKIY, L.N., inzhener; BOROVSKIY, V.G., inzhener.

New method of experimental testing of dynamic processes in the operation of
Diesel hammers. Mekh.stroi. 10 no.8:16-20 Ag '53. (MIRA 6:8)
(Pile driving)

BOROVSKIY, V.G., inzh.; VILLUMSEN, V.V., inzh.; VIADOVIRIN, V.N., inzh.;
KALINICHEV, G.V., inzh.; LOVIAGIN, A.I., inzh.; LYZO, B.G., inzh.

Improvement in the design of tubular diesel-hammers. Stroi. i dor.
mash. 9 no.7:17-19 J1 '64. (MIRA 18:3)

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Higher Nervous Activity. Behavior. T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97945

Author : Borovskiy, V. M.

Inst : Chelyabinsk State Teachers Institute

Title : Preeminence of Action in Human Thought

Orig Pub: Uch. zap. Chelyab. gos. ped. in-t, 1957, 3, No 1,
5-25

Abstract: No abstract

Card 1/1

98

Country : USSR
Category= : Farm Animals.
Poultry.
Abs. Jour. : Ref Zhur-Biol., No 21, 1958, 96930
Author : Borovskiy, V. M.
Institut. : Chelyabinsk State Pedagogical Institute.
Title : Antibiotics, Growth and Health of Chicks.
Orig. Pub. : Uch. zap. Chelyab. gos. ped. in-t, 1957, 3, No 1,
158-162
Abstract : No abstract.

Card:

1/1

c. a. BOROVSKIY, V. M.
/ 1951

Glass-sand deposits of the Aral region. V. M. Borovskiy.
Vostochny Abad. Nauk Kazakh. S.S.R. 4, No. 2, 57-8 (1947).
The sand deposits are located in the extreme southern part of Near-Aral Kara-Kuma desert. They have the form of wind-blown mounds 20-25 m. high and have depressions between them. Individual buttes on water divides reach 50-70 m. The thickness of the sand is 5-30 m. Samples of the sand analyzed: SiO_2 87.70, Fe_2O_3 0.74, Al_2O_3 5.20, CaO 0.84, MgO 0.23, SO_3 0.22, CO_2 0.21, and undetermined 4.74%. The rattle being heavier is found mostly in the depressions. The deposit occupies an area of 24 sq. km. and is estd. to contain 100 million cu.m. of sand. The second largest sulfate deposit is located 18 km. to the north and near it is limestone. Coal, both soft and hard, is found in the vicinity.
M. Hosh

BOROVSKIY, V. M.

Borovskiy, V. M. and Kenensarin, N. A. "Problem of studying the lower Syr-Dar'ya River,"
Vestnik Akad. Kazakh. SSR, 1948, No. 10, p. 52-53 - Resume in Kazakh. language-

Bibliog: 15 items

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

BOROVSKIY, V. M.

24991. BOROVSKIY, V. M. Agroklimaticheskaya Kharakteristika Nizov'ev Reki Syr-dar'i.
Vestnik Akad. Nauk Kazakh. SSR, 1949, No. 5, S. 82-88. - Bibliogr: 11 Nazv.

SO: Letopis', No. 33, 1949

BOROVSKIY, V.M.

Topography of the Syr Darya Delta. Vop.geog. vol.33:222-248
(MLRA 7:3)
'53. (Syr Darya--Delta)

BOROVSKIY, V.M., kandidat sel'skokhozyaystvennykh nauk

~~Types of salt deposits in Central Turan. Vest. AN Kazakh. SSR 11~~
no.4:19-37 Ap '55. (MIRA 8:8)
(Turan--Alkali lands)

BOROVSKIY, V.M.

USSR/Agriculture - Surface obstructions

Card 1/1 Pub. 86 - 17/37

Authors : Borovskiy, V. M., Cand. Agri. Sc.

Title : ~~Okpans~~ "Okpans" (small craterlike formations)

Periodical : Priroda 44/4, 100 - 102, Apr 1955

Abstract : A description is given of small craterlike formations, locally called "okpans", which occur in the dried-up parts of the delta of the river Syr Darya in Kazakhstan. These are obstacles to agriculture and irrigation as they may absorb all the water from the irrigation canals through their sandy bottoms. They often appear after heavy rains. An analysis is made of the local conditions with a view to explaining their origin. One USSR reference (1951). Illustration.

Institution :

Submitted :

USSR/Soil Science - Soil Genesis and Geography.

J-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20029

Author : Borovskiy, V.M.

Inst : The Soil Science Institute of the Academy of Sciences,
Kazakh SSR.

Title : The Soils of the Nut Woods of Southern Kazakhstan.

Orig Pub : Tr. In-ta pochvoved. AN KazSSR, 1956, 6, 32-43

Abstract : The conditions are described of soil formation and the soils which have formed under walnut woods containing apple and maple trees with an abundant shrub and herbageous story. The nut woods are distributed over the mountainous rayons of Central Asia and South Kazakhstan. The lack of study of nut wood soils is noted. The nut wood soils are regarded by the author as young formations which have been generated in recent times.

Card 1/1

14-57-6-12429

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,
p 101 (USSR)

AUTHOR: Borovskiy, V. M.

TITLE: Irrigation of the Ancient Syr-Darya Delta (Pochvy
drevney del'ty Syr-Dar'i kak ob'yekt orosheniya)

PERIODICAL: Tr. In-ta pochvoved. AN KazSSR, 1956, Vol 6, pp 100-
115

ABSTRACT: Uneven distribution of river water and deficient atmos-
pheric precipitation are responsible for the extreme-
ly varied landscape in the ancient Syr-Darya delta.
When the river overflows, or when there is an excess
of water in irrigation system, short-lived swamp soils
form in interchannel lowlands, making it possible for
rushes and enduring meadow-swamp vegetation to flourish.
But these die during long periods between consecutive
floods. Intensive activity of microorganisms and the
intermittent nature of swamps make the occurrence of thin
peat-marsh soil layers extremely

Card 1/2

14-57-6-12429

Irrigation of Soils (Cont.)

rare. Irrigated swamp soils under rice cultivation contain a black sulfide layer 0.5 cm to 1.5 cm deep; this layer is produced by the action of sulfate-reducing bacteria. Alluvial-meadow (tugayn) soils cover level elevated parts of the delta and particularly the shore ridges which are overgrown with oleaster forests and grass meadows. When the river dries up, these soils turn into a desert without passing through the salt flat stage. On the highest ridges of the interchannel flooded lowlands of the delta there lie typical salt flats with swollen and flaking surfaces, while takyrovite salt flats are found in sections which are drying up and turning into deserts. Dry portions of the channels are filled with salt-free takyrovite soils, while the shore ridges are covered with alkaline takyrovite soils which underlie a dark haloxylon saline association. Lower ridges of interchannel lowlands are covered with brackish, saliferous, takyrovite soils under a sparse cover of salt-bushes. Typical or lumpy takyr-type soils are found in depressions. Huge sections of the delta are covered with sandy soils with a Burgisto-soil base. The article includes a bibliography of 28 titles.

E. Kornblyum

Card 2/2

Name: BOROVSKIY, Vladimir Mikhaylovich

Dissertation: Soils of the ancient Syr-Dar'ya delta
and means for their Agr mastery

Degree: Doc Agr Sci

Affiliation: Kazakh State U imeni Kirov

Defense Date, Place: 21 Mar 56, Council of Soil Inst imeni
Dokuchayev, Acad Sci USSR

Certification Date: 20 Apr 57

Source: BMVO 14/57

USSR / Soil Science. Cultivation. Melioration, Erosion. J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95780.

Author : Borovskiy, V. M.

Inst : Not given.

Title : Problem of Assimilation and Improvement of Lands
in the Desert Areas of Kazakhstan.

Orig Pub: Pochvovedeniye, 1957, No 4, 1-9.

Abstract: From the point of view of soil-improvement features, it is proposed to divide the desert territories of Kazakhstan, which occupy about 64% of its area, into three basins - the Caspian, Aral and Balkhash. Conditions of the assimilation of virgin lands on these territories are reviewed. Soils of the Caspian Sea basin within Kazakhstan are in need of one or another kinds of special improvement. In the Aral Sea basin,

Card 1/3

USSR / Soil Science. Cultivation. Melioration, Erosion. J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95780.

Abstract: the soils most promising for agricultural assimilation are about 8 million hectares in the Syrdarya River valley. Without complicated improvements, it is possible to assimilate here about 400 thousand hectares for irrigation and to supply more than 2 million hectares of pasturage with water. In the Arys'a and Begun'a River lowlands, it is possible to assimilate about 200 thousand hectares of land, and in the Chu River lowlands to organize inundation of meadow hay harvests and pastures for an area of 200 thousand hectares. In the Balkhash basin, the most promising area for assimilation is the delta-alluvial plain of the Iliya River with a sulfate-soda type of salt accumulation, in connection with which the soils are characterized by high alkalinity.

Card 2/3

USSR / Soil Science. Cultivation. Melioration, Erosion. J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95780.

Abstract: 400 thousand hectares of soil of the ancient
Ilia River delta suitable for irrigation require
special improvements to overcome the sulfate-
soda salinity. -- S. A. Nikitin.

Card 3/3

BOROVSKIY, V.M.

BOROVSKIY, V.M.

Microrelief of "armored" hillocks in the delat of the Syr Darya.
Vest.AN Kazakh.SSR 13 no.5:88-92 My '57. (MIRA 10:9)
(Syr Darya Delta--Physical geography)

BOROVSKIY, Vladimir Mikhaylovich, doktor sel'skokhozyaystvennykh nauk;
POGOREBINSKIY, Mikhail Alekseyevich; BEZSONOV, A.I., otvetstvennyy
red.; ALEKSANDRIYSKIY, V.V., red.; SHEVCHUK, T.I., red.;
ROROKINA, Z.P., tekhn.red.

[Ancient Syr Darya delta and the northern Kyzyl-Kum] Drevniaia
del'ta Syr-Dar'i i Severnye Kyzyl-Kumy; pochvenno-meliorativnye
usloviia i problema sel'skokhoziaistvennogo osvoeniia. Alma-Ata,
Izd-vo Akad. nauk Kazakhskoi SSSR. Vol.1. 1958. 512 p.

(MIRA 11:5)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for Bezsonov)
(Syr Darya delta) (Kyzyl-Kum)

BOROVSKIY, V.M.

Results and further tasks of land improvement research in the lower
Syr Darya Valley. Vest. AN Kazakh. SSR 14 no.3:19-30 Mr '58.
(Kzyl-Orda Province--Agricultural research) (MIRA 11:5)

BOROVSKIY, Vladimir Mikhaylovich; ABLAKOV, Enver Bekovich; KOZHEVNIKOV, Konstantin Yakovlevich; MURAVLYANSKIY, Konstantin Dmitriyevich; BEZSONOV, A.I., otv.red.; ALEKSANDRIYSKIY, V.V., red.; SHEVCHUK, T.I., red.; ROROKINA, Z.P., tekhn.red.

[Ancient Syr-Darya Delta and the northern Kyzyl-Kum; possibilities of soil improvement and problems of land reclamation]
Drevniaia del'ta Syr-Dar'i i Severnye Kyzyl-Kumy; pochvenno-meliorativnye uslovia i problema sel'skokhoziaistvennogo osvoeniia. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR. Vol.2. 1959. 418 p. (MIRA 12:8)

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for Bezsonov).
(Syr-Darya Delta--Soils) (Kyzyl-Kum--Soils)

BOROVSKIY, V. M.

In southeastern China. Izv. AN SSSR. Ser. biol. no. 5: 788-799
S-0 '59. (MIRA 13:2)

1. Institut pochvovedeniya AN KazSSR.
(China--Agriculture)

PACHIKINA, Lyubov' Ivanovna; RUBINSHTAYN, Mikhail Issakovich;
STOROZHENKO, D.M., otv.red.vypuska; BEZSONOV, A.I., otv.red.;
BOROVSKIY, V.M., red.; SOKOLOV, A.A., red.; SOKOLOV, S.I., red.;
USPANOV, U.U., red.; POGOZHEV, A.S., red.; ROROKINA, Z.P.,
tekhn.red.

[Soils of Kazakhstan in 16 volumes] Pochvy Kazakhskoi SSR v 16
vypuskakh. Alma-Ata. Vol.2. [Soils of Kokchetav Province]
Pochvy Kokchetavskoi oblasti. 1960. 135 p. (MIRA 13:8)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvove-
deniya.

(Kokchetav Province--Soils)

FEDORIN, Yuriy Vasil'yevich; PETELIN, A.M., kand.sel'skokhoz.nauk, otv. red.; BEZSONOV, A.I., glavnyy red.; USPANOV, U.U., zamestitel' glavnogo red.; BOBOVSKIY, V.M., red.; SOKOLOV, A.A., red.; SOKOLOV, S.I., red.; STOROZHENKO, D.M., red.; BARLYBAYEVA, K., red.; SHEVCHUK, T.I., red.; PROKHOROV, V.P., tekhn.red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi SSR v 16 vypuskakh. Alma-Ata. Vol.1. [Soils of North Kazakhstan Province] Pochvy Severo-Kazakhstanskoi oblasti. 1960. 173 p. (MIRA 13:7)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvo-vedeniya.

(North Kazakhstan Province--Soils)

BEZSONOV, Andrey Ivanovich, doktor, prof., zasluzhennyy deyatel' nauki
Kazakhskoy SSR; USPANOV, U.U., otv. red.; ~~BOROVSKIY, V.M., red.~~;
SOKOLOV, S.I., red.; ASSING, I.A., red.; PROKHOROV, V.P., tekhn. red.

[Selected works] Izbrannye trudy. Alma-Ata, Izd-vo Akad.nauk Kazakh-
skoi SSR, 1960. 254 p. (MIRA 14:6)

1. Chlen-korrespondent AN Kazakhskoy SSR (for Bezsonov)
(Soils)

DZHANPEISOV, R.; SOKOLOV, A.A.; FAIZOV, K.Sh.; BEZSONOV, A.I., glavnyy red.; USPANOV, U.U., zam.glavnogo red.; BOROVSKIY, V.M., red.; SOKOLOV, S.I., red.; STOROZHENKO, D.M., red.; BARLYBAYEVA, K.Kh., red.; IVANOVA, E.I., red.; PROKHOROV, V.P., tekhn.red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi SSR v 16 vypuskakh. Alma-Ata. Vol.3. [Soils of Pavlodar Province] Pochvy Pavlodarskoi oblasti. 1960. 264 p.

(MIRA 13:11)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvo-vedeniya.

(Pavlodar Province--Soils)

BOROVSKIY, V.M.; ORLOVA, M.A.

Soils in the eastern part of the Aral Sea region. Izv. AN
Kazakh.SSR.Ser.bot.1 pochv. no.3:3-14 '60.
(MIRA 13:7)

(Aral Sea region—Soils)

BOROVSKIY, V.M., doktor sel'skokhozyaystvennykh nauk

Research at the Institute of Soil Science. Vest. AN
Kazakh. SSR 16 no.4:84-85 Ap '60. (MIRA 13:7)
(Kazakhstan--Soil research)

BOROVSKIY, V.M., doktor sel'skokhozyaystvennykh nauk

Saline soils of southern Kazakhstan and some features of the migration of salts in soils. Vest. AN Kazakh. SSR 16 no. 12:3-9 D '60.

(MIRA 14:1)

(Kazakhstan--Alkali lands)

BOROVSKIY, V.M.

Possibilities for bringing new lands under cultivation in Kazakhstan.
Izv. AN Kazakh.SSR. Ser. bot. i pochv. no.2:9-15 '61. (MIRA 15:2)
(Kazakhstan--Agriculture)

BOROVSKIY, V.M.

Salt exchange between the sea and dry land and the perennial dynamics of salts in soils. Izv. AN Kazakh.SSR. Ser. bot. i pochv. no.2: 51-55 '61. (MIRA 15:2)

(Minerals in soil) (Sea water)

BOROVSKIY, V.M.

Salt exchange between sea and land and long-term dynamics of soil processes: [with summary in English]. Pochvovedenie no.3:1-11
Mr '61. (MIRA 14:3)

1. Institut pochvovedeniya Akademii nauk KazSSR.
(Minerals in soil) (Sea water) (Soil formation)

BOROVSKIY, V.M., doktor sel'skokhoz.nauk

"The soils of Soviet deserts" by E.V.Lobova. Reviewed by
V.M.Borovskii. Vest.AN SSSR 31 no.9:146-150 S '61. (MIRA 14:10)
(Deserts) (Soils) (Lobova, E.V.)

SOKOLOV, S.I.; ASSING, I.A.; KURMANGALIYEV, A.B.; SERPIKOV, S.K.;
BEZSONOV, A.I., glav. red.; BOROVSKIY, V.M., red.; SOKOLOV,
A.A., red.; STOROZHENKO, D.M., red.; USPANOV, U.U., red.;
SHEVCHUK, T.I., red.; ROROKINA, Z.P., tekhn. red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi
SSR v 16 v puskakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi
SSR. Vol.4. [Alma-Ata Province] Pochvy Alma-Atinskoi oblasti.
1962. 422 p. (MIRA 15:4)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvove-
deniya.

(Alma-Ata Province--Soils,

BOROVSKIY, V.M.; VOLKOV, A.I.; MOSKOVA, L.V.; ORLOVA, M.A.

Natural regions of Kzyl-Orda Province. Izv.AN Kazakh.SSR.Ser.
bot.i pochv. no.3:3-28 '62. (MIRA 15:12)

(Kzyl-Orda Province—Soils)
(Kzyl-Orda Province—Reclamation of land)

USPANOV, U.U., otv. red.; ^{BOROVSKIY V.M.} BOROVSKIY, V.M., red.; VOLKOV, A.I.,
red.; CHULAKOV, Sh.A., red.; KOROLEVA, I.F., red.; IVANOVA,
E.I., red.; KHUDYAKOV, A.G., tekhn.red.

[Development of soil science in Kazakhstan] Razvitie pochvo-
vedeniia v Kazakhstane; trudy. Alma-Ata, Izd-vo Akad. nauk
Kazakhskoi SSR, 1963. 199 p. (MIRA 16:7)

1. Respublikanskaya konferentsiya pochvovedov, posvyashehen-
naya 40-letiyu ustanovleniya Sovetskoy vlasti v Kazakhstane i
obrazovanii Kommunisticheskoy partii Kazakhstana. 3d, Alma-
Ata, 1960.

(Kazakhstan--Soil science)

BOK, I.I.; BARBOT de MARNI, A.V.; VISLOGUZOVA, A.V.; GALIYEV, M.S.;
LI, A.B.; LOMONOVICH, M.I.; YAKOVENKO, Z.V.; ASSING, I.I.;
NURMANGALIYEV, A.B.; SOKOLOV, S.I.; GRIGOR'YEVA, Ye.P.;
SEROV, N.P.; LEONOV, G.M.; ZAKHAROV, B.S.; ZAGAYNOV, V.I.;
~~BOROVSKIY, V.M.~~; LITVINOVA, A.A.; POGREBINSKIY, M.A.;
NASONOVA, O.M.; KHAYDAROV, R.M.; SUVOROVA, R.I., red.;
ALFEROVA, P.F., tekhn. red.

[Ili Valley, its nature and resources] Iliiskaia dolina, ee
priroda i resursy. Pod obshchei red. M.I. Lomonovicha. Alma-
Ata, Izd-vo AN Kaz.SSR, 1963. 338 p. (MIRA 16:8)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut geologicheskikh nauk.
2. Nauchnyye sotrudniki Instituta geologicheskikh nauk AN KazSSR (for Bok, Barbot de Marni, Visloguzova, Galiyev, Li, Lomonovich, Yakovenko).
3. Institut pochvovedeniya AN KazSSR (for Assing, Nurmangaliyev, Sokolov, Borovskiy, Litvinova, Pogrebinskiy).
4. Institut botaniki AN KazSSR (for Grigor'yeva, Nasonova).
5. Institut zoologii AN KazSSR (for Serov).
6. Kazakhskiy politekhnicheskiy institut (for Leonov).
7. Ministerstvo sel'skogo khozyaystva KazSSR (for Zakharov).
8. Kazanskiy filial Instituta "Gidroproyekt" im. S.Ya. Zhuka (for Khaydarov).

(Ili Valley--Physical geography)

BOROVSKIY, V.M.

Geomorphology and Quaternary sediments of the Syr Daya region.
Trudy Otd. geog. AN Kazakh. SSR no.10:54-86 '63. (MIRA 16:10)

ACCESSION NR: APH040008

S/0031/64/000/005/0003/0013

AUTHORS: Uspanov, U. U. (Corresponding member); Borovskiy, V. M. (Corresponding member)

TITLE: Scientific basis for a rational utilization of the soils in Kazakhstan

SOURCE: AN KazSSR. Vestnik, no. 5, 1964, 3-13

TOPIC TAGS: Kazakhstan soil, bioclimatic soil zone, black soil, chestnut soil, semiarid zone, desert zone, saline soil, wind erosion, irrigation

ABSTRACT: Kazakhstan, the largest republic of the SSSR, has a land area of 265 million hectares, of which 39 million are arable. The land can be roughly divided into six bioclimatic zones. The three northern ones have black soils, an annual rainfall of 350-270 mm, and cover an area of 25 million hectares. The next two zones have chestnut soils, an annual rainfall of 270-180 mm. They occupy the central part of Kazakhstan and spread over 100 million hectares. The southern zone, with saline soils and an annual rainfall of 180-90 mm, covers 110 million hectares. The problems facing Kazakhstan agriculture are manifold and complex. In order to prevent wind erosion of black soil in the northern region, deep plowing is

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ACCESSION NR: AP4040008

recommended but once in several years. Aside from preserving the soil, this would also conserve its moisture. Underground introduction of fertilizer is suggested for this area. In the chestnut soil zone the subsoil gypsum should be brought to the surface. In the arid zone only 1.3 million hectares are under irrigation. It is expected that the vast water resources of Siberia will put some 40 million hectares of this zone under cultivation. Proper utilization of the Syr-Darya river water could greatly expand the cultivation of rice in the adjacent territory. In some arid regions a hydroponic-type underground water system may be established and evaporation may be prevented by means of polyethylene films. Many soils of Kazakhstan are deficient in trace elements and can be improved. It was possible to increase the yield of sugar beets by 20% in the region of Alma-Ata when a fertilizer containing copper and manganese was introduced.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 19Jun64.

ENCL: 00

SUB CODE: ES

NO REF SOV: 000

OTHER: 000

Card. 2/2

BOROVSKIY, V.M.

Outlook for the irrigation of lands in Kazakhstan. Vest. AN
Kazakh. SSR 19 no.12:15-22 D '63. (MIRA 17:12)

BOROVSKIY, V.M.

International symposium on the soda-type salinization of soils.
Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no.2:100-102 Mr-Apr '65.
(MIRA 18:5)

BOROVSKIY, V.M.

Desert and mountain soils of Kazakhstan and their
utilization. Izv. AN Kazakh. SSR. Ser. biol. nauk (MIRA 18:11)
3 no.4:3-12 J1-Ag '65.

BOROVSKIY, V.M.

Eighth International Congress of Soil Scientists. Izv. AN
Kazakh. SSR. Ser. biol. nauk 3 no.5:108-109 S-O '65.
(MIRA 18:11)

BOROVSKIY, V.M., doktor sel'skokhoz. nauk

Symposium on the soda salinization of soils in Budapest. Vest.
AN SSSR 34 no.1:93 Ja '65. (MIRA 18:2)

BOROVSKIY, V. P., and KREMNEV, O. A.

"Investigation and Knowledge of the Intensification of
Drying Processes and Heat Stabilization of Fine Natural
and Synthetic Fibres."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

BOROVSKIY, V. P., DOLINSKIY, A. A., and KREMNEV, O. A.

"Spray Transpiration Drying Method of Dehydration of Materials
with High Moisture Content and the Results."

Report submitted for the Conference on Heat and Mass transfer,
Minsk, BSSR, June 1961.

BOROVSKIY, V. P., PIYEVSKIY, I. M., and KREMNEV, O, A.

"Investigation and Knowledge of Intensification of Drying
Process of Gypsum Blocks and Planks."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

TERESHCHUK, Roman'd Mikhailovich, inzh.; DCHENUGOV, Rem
Matveyevich, kand. tekhn. nauk; BOSLY, Nikolay
Dmitriyevich, kand. tekhn. nauk; NOGIL, Samuil Isaakovich,
inzh.; BOROVSKIY, Vadim Pavlovich, inzh.; CHAPLINSKIY,
Avraam Borisovich, kand. tekhn. nauk; BEREZOVSKIY, M.A.,
inzh.; retsenzent

[Radio amateur's handbook] Spravochnik radioliubitelia.
Kiev, Tekhnika, 1965. 1159 p. (1 IRA 18:10)

ACCESSION NR: AP5009042

S/0302/65/000/001/0061/0064
621.373.431.1

AUTHOR: Borovskiy, V. P.; Partala, O. N.; Shuvayev, V. A.

TITLE: Generation of FM oscillations in a wide range by multivibrators

SOURCE: Avtomatika i priborostroyeniye, no. 1, 1965, 61-64

TOPIC TAGS: FM oscillation, multivibrator, FM signal generator

ABSTRACT: As phantatron FM signal generators easily develop spurious AM and present difficulties in filtering the 1st harmonic, a symmetrical electron-tube RC multivibrator is proposed for this purpose. These experimental results are claimed: frequency range, 1 : 150; frequency drift on tube replacement, $\pm 1.25\%$; frequency drift on $\pm 10\%$ heater-voltage variation, $\pm 0.4\%$; the frequency was practically constant with an anode-voltage variation of $\pm 10\%$. Orig. art. has: 4 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NO REF SOV: 002

OTHER: 000

Card 1/1

L 6961-66 ENT(1)/EWA(h)
ACC NR: AP5020931

SOURCE CODE: UR/0142/65/008/003/0366/0368

AUTHOR: Vollerner, N. F. (Prof.); Borovskiy, V. P.; Shuvayev, V. A.

ORG: none

TITLE: A generator of video pulses of arbitrary shape

SOURCE: IVUZ. Radiotekhnika, v. 8, no. 3, 1965, 366-368

TOPIC TAGS: pulse shaper, RC circuit, pulse generator

ABSTRACT: In contrast to the complex arbitrary function generators described in the literature, a comparatively simple scheme for obtaining pulses of arbitrary shape is described. The method is basically the following: 1) the creation of a step function of n quantizing pulses of identical duration and amplitudes proportional to the instantaneous values of the function at successive instants; 2) smoothing the step function with a low-frequency filter such as an integrating RC circuit. A commutator based on cold-cathode thyratrons operating on the principle of a counting circuit is proposed since it is simpler and more reliable than commutators. If

UDC: 621.373.53

Card 1/2

L 6961-66

ACC NR: AP5020931

a symmetrical pulse shaper is desired, the number of commutator cells can be halved. A generator with a capacity of 64 quantizing pulses is capable of generating functions from 5 microseconds to several seconds in duration. The functions generated are within 2-3% of the theoretical estimates. The arbitrary function generator should find wide use in analog computer technology, modeling of systems, and production of AM and FM oscillations with arbitrary modulations. Orig. art. has: 4 figures.

SUB CODE: EC/

SUBM DATE: 26Jun64/

ORIG REF: 002/

OTH REF: 001

Card 2/2. *nde*

BEROVSKIY, V.R.

25449
S/021/60/000/004/006/010
D232/D305

24.5200

AUTHORS: Kremn'ov, O.O., and Borovskiy, V.R.

TITLE: Heat loss of cylindrical bodies of small dimensions placed longitudinally in a stream of air

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 4, 1960, 482 - 486

TEXT: The authors investigated the heat loss of copper wires with diameters: 0.02 mm, 0.05 mm, 0.1 mm, 0.2 mm. The wires were placed in a wind-tunnel made of glass, (diameter - 25 mm, length - 2.8 m) along its axis. The wires were used as resistance thermometers at the same time. They were heated by direct current. Voltage drop in the experimental range was measured with the aid of branches connected with a potentiometer. Temperatures at the beginning and the end of experimental range were measured by thermocouples, the velocity of air by a Prandtl tube connected with a micromanometer. Temperature of airstream varied between 14.5 and 18.5°C. that of

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Heat loss of cylindrical bodies ...

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wires between 32 and 158°C and the velocity of stream between 5.5 and 23 m/sec. the dependence of the heat loss coefficient α on the velocity of stream W and the wire diameter d is given in tabulated form. Investigations by other authors also show that heat loss increases considerably when the diameter of a cylindrical body diminishes. Heat exchange near the surface of the wire is due to heat conduction through the boundary layer. The heat flow through a cylindrical layer of thickness δ will be

$$q = \frac{2\lambda\Delta t}{d_{dr} \ln(1 + \frac{2\delta}{d_{dr}})} \quad (1)$$

λ being the coefficient of heat conduction, kcal/m.h.°C, t the difference of temperatures between the external and the internal diameter of the layer, °C, d_{dr} the internal diameter of the cylindrical body; in the present case it is equal to the internal diameter of the layer or to the diameter of the wire, m. It is easy to

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Heat loss of cylindrical bodies ...

prove (by determining the limit of (1)) that the coefficient of heat loss tends to infinity if the diameter of the cylinder tends to 0. The heat loss of a cylinder in a ring-shaped canal with circular cross-section is described by the well known equation

$$Nu_e = c Re_e^n. \quad (3)$$

[Abstractor's note: c not defined]. The author obtain from (3)

$$Nu_e = \frac{\alpha \cdot d_{tr}}{\lambda} = \frac{d_{tr}}{d_{dr}} \cdot \frac{2}{\ln(1 + \frac{d_{tr}}{d_{dr}} \cdot \frac{2}{c Re^n})} = f(Re, \frac{d_{tr}}{d_{dr}}). \quad (6)$$

(d_{tr} is the diameter of the wind tunnel, d_{dr} that of the wire). Since the intensity of heat exchange depends both on the Reynolds number and the ratio d_{tr}/d_{dr} , the interpretation of the results was made according to (6). The results are shown graphically. The Card 3/5

Heat loss of cylindrical bodies ...

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experimental points are situated on parallel straight lines; they are described by

$$Nu = 0.2Re^{0.35} \left(\frac{d_{tr}}{d_{dr}} \right)^{0.75} \quad (7)$$

The determining dimension in (7) is $d_e - d_{tr}$. To analyze the influence of the ratio d_{tr}/d_{dr} on the heat loss in case of such choice, one has to substitute the values of Nu and Re in (7) and multiply both sides by d_{dr}

$$\frac{\alpha \cdot d_{dr}}{\lambda} = \frac{d_{tr}^{0.35} \cdot d_{dr}^{1-0.35} \cdot d_{tr}^{0.75}}{d_{tr} \cdot d_{dr}^{0.75}} \left(\frac{W \cdot d_{dr}}{\nu} \right)^{0.35} \quad (8)$$

from which

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Heat loss of cylindrical bodies ...

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$$Nu_{dr} = cRe_{dr}^{0.35} \cdot \frac{d_{tr}^{0.35+0.75-1}}{d_{dr}^{0.35+0.75-1}} = cRe^{0.35} \left(\frac{d_{tr}}{d_{dr}}\right)^{0.1}. \quad (9)$$

The exponent of the ratio is very small and therefore, if the latter has small variation, one can ignore its influence and treat the results according to the form $Nu = f(Re)$. For $d_{tr}/d_{dr} = 125-1250$

$$Nu = 0.4Re^{0.3}, \quad (10)$$

with possible error up to 15 %. There are 1 table, 3 figures and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: W.H. McAdams, Heat Transmission, New York-London, 1954. X

ASSOCIATION: Instytut teploenerhetyky AN URSR (Institute of Heat-Power Engineering AS UkrSSR)

PRESENTED: Academician AS UkrSSR, I.T. Shvets

SUBMITTED: September 22, 1959

Card 5/5

KREMNEV, O.A., doktor tekhn.nauk; BOROVSKIY, V.R., kand.tekhn.nauk;
PIYEVSKIY, I.M., inzh.

Intensifying the drying of gypsum plaster articles. Stroi. mat. 7
no.4:15-17 Ap '61. (MIRA 14:5)

(Plaster)

KREMNEV, O.K.; BOROVSKIY, V.R.; DOLINSKIY, A.A.

Two-stage air evaporating-drying method of streptomycin dehydration. Med.prom. 14 no.1:35-40 Ja '60. (MIRA 13:5)

1. Institut energotekhniki AN USSR i Kiyevskiy zavod meditsinskikh preparatov.

(STREPTOMYCIN--DRYING)

KREMNEV, O.O. [Kremn'ov, O.O.], kand.tekhn.nauk; ~~BOROVSKIY, V.P.~~ [Borovs'kyi, . .
V.P.], kand.tekhn.nauk; YEDZHUBOV, O.A. [IEdzhubov, O.A.], kand.tekhn.
nauk.

Rapid drying of textiles. Visnyk AN URSS 2 no.7:47-50 Je '58.
(MIRA 11:9)

(Textile fabrics--Drying)

KREMNEV, O.A.; BOROVSKIY, V.R.; YEDZHUBOV, A.A.

Rapid contact drying of fabric. Tekst. prom. 18 no. 7:42-44 J1 '58.
(MIRA 11:7)

(Silk--Drying)

BOROVSKIY, V.R. [Borovs'kiy, V.R.]

Studying the drying of a silk thread. Zbir.prats' Inst.tepl. AM
URSR no.16:41-52 '59. (MIRA 13:10)
(drying)

KREMNEV, O.A.; BOROVSKIY, V.R.; KOROSTASH, M.D.

Ways to accelerate the cocoon drying process. Tekst.prom.
19 no.10:25-29 0 '59. (MIRA 13:1)
(Silk manufacture)

KREMEV, O.O. [Kremn'ov, O.O.]; BOROVSKIY, V.R. [Borovs'kyi, V.R.];
DOLINSKIY, A.A. [Dolyns'kyi, A.A.]

Evaporation and drying of a streptomycin solution by the spray
method. Visnyk AN URSR 30 no.1:51-54 Ja '59. (MIRA 12:4)
(Streptomycin--Drying)

BOROVSKIY, V. R., Cand Tech Sci -- (diss) "Investigation of the drying process
for silk threads for their intensification," Moscow, 1960, 15 pp (Moscow Textile
Institute) (KL, 36-60, 114)

KREMNEV, O.A.; kand.tekhn.nauk; BOROVSKIY, V.R., inzh.; PIYEVSKIY, I.M.
inzh.

Intensification of drying processes of sheet-type gypsum
building materials. Stroil. mat. 6 no.7:13-16 J1 '60.

(MIRA13:7)

(Plaster board--Drying)

BOROVSKIY, V.R., kand.tekhn.nauk

Use of the steam-air for the continuous heat ~~setting~~ of
synthetic and natural yarns. Tekst. prom. 21 no.10:81-
83 0 '61. (MIRA 14:10)

1. Sotrudnik Instituta teploenergetiki AN USSR.
(Yarn)
(Heat engineering)

KREMNEV, O.A., doktor tekhn.nauk; BOROVSKIY, V.R., starshiy nauchnyy
sotrudnik; KOROSTASH, M.D., inzh.

High temperature drying of single synthetic fibers. Tekst.
prom. 21 no.12:57-61 D '61. (MIRA 15:2)

1. Zaveduyushchiy otdelom teploobmena Instituta teploenergetiki
AN USSR (for Kremnev). 2. Institut teploenergetiki AN USSR
(for Borovskiy). 3. Otdel teploobmena Instituta teploenergetiki
AN USSR (for Korostash).
(Textile fibers, Synthetic—Drying)

KREMNEV, O.A.; BOROVSKIY, V.R.; KOROSTASH, M.D.; MAZAYEVA, Ye.I.

Rapid drying of artificial silk in cakes. Khim.volok no.4:37-
41 '62. (MIRA 15:8)

1. Institut teploenergetiki AN USSR (for Kremnev, Borovskiy,
Korostash). 2. Kiyevskiy kombinat iskusstvennogo volokna (for
Mazayeva).

(Rayon--Drying)

BOROVSKIY, V.R., kand.tekhn.nauk; PIYEVSKIY, I.M., inzh.; VYRICHEK, L.D.,
inzh.

Conversion of gypsum plaster driers to an accelerated system.

Stroi. mat. 8 no.8:26-28 Ag '62. (MIRA 15:9)

(Drying apparatus)

(Gypsum products--Drying)

BOROVSKIY, V. R. and PIEVSKIY, I. M. (Institute of technical thermal physics of Academy of Sciences of Ukrainian SSR)

"Investigations of high-temperature drying in a humid heat-transfer agent"

Report presented at the Section on Heat and Mass Transfer, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

BOROVSKIY, V. R. and MISHNAYEVSKIY, L. M. (Institute of technical thermal physics of Academy of Sciences of Ukrainian SSR)

"Investigations of evaporation of moisture and low-molecular combinations from polymers"

Report presented at the Section on Heat and Mass Transfer, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

ANASTASIADI, A.P.; BOROVSKIY, V.R.; VYBORNOV, G.V.; KOPELYANSKIY,
G.D.; MAK, I.L.; PECHURO, S.S.; PIYEVSKIY, I.M.;
RACHEVSKAYA, K.D.; REYZNER, Yu.B.; RYBAK, L.L.; TSEPELIOVICH,
M.R.; SHUMAKHER, L.I.; YUSHKEVICH, M.O. [deceased]; AGEYENKO,
Yu.G., nauchnyy red.; BELUGIN, A.T., nauchnyy red.; KOGAN,
G.S., nauchnyy red.; KRZHEMINSKIY, S.A., nauchnyy red.;
MITSKEVICH, M.I., nauchnyy red.; SILENOK, S.G., nauchnyy red.;
TRILESNIK, Z.Ye., nauchnyy red.; ZUBAREV, K.A., glav. red.;
TROFIMOV, I.P., red.; SKRAMTAYEV, B.G., glav. red.; BALAT'YEV,
P.K., red.; KITAYEV, Ye.N., red.; KITAYGORODSKIY, I.I., red.;
ROKHVARGER, Ye.L., red.; KHOLIN, I.I., red.; CHERKINSKAYA,
R.L., red.; RODIONOVA, V.M., tekhn. red.

[Manual on the production of gypsum and gypsum products] Spra-
vochnik po proizvodstvu gipsa i gipsovykh izdelii. [By] A.P.
Anastasiadi i dr. Pod red. K.A. Zubareva. Moskva, Gosstro-
izdat, 1963. 464 p. (MIRA 16:7)
(Gypsum) (Gypsum products)

KREMNEV, Oleg Aleksandrovich, doktor tekhn. nauk; BOROVSKIY,
Vladimir Rudol'fovich, kand. tekhn. nauk; DOLINSKIY,
Anatoliy Andreyevich, kand. tekhn. nauk. Primali
uchastiye: PIYEVSKIY, I.M.; DUKHNENKO, N.T.;
SHELIMANOV, V.A.; CHERNOBYL'SKIY, I.I., doktor tekhn.nauk,
retsenzent; GAVRILOV, V.N., red.izd-va; ROZUM, T.I., tekhn.
red.

[High-speed drying] Skorostnais sushka. Kiev. Gostekhiz-
dat USSR, 1963. 381 p. (MIRA 17:2)

BOROVSKIY, V.R. [Borovs'kiy, V.R.], kand.tekhn.nauk; SHERENKOVSKIY, Ye.V.
[Sherenkova's'kiy, E.V.]; MISHNAYEVSKIY, L.M. [Mishnaievs'kiy, L.M.];
GRITS'KOV, I.V. [Hryts'kov, I.V.]

Twisting and drawing machine with thermal plasticization of the
moving synthetic fibers. Leh.prom. no.3:8-11 J1-S '63.
(MIRA 16:11)

1. Institut teploenergetiki AN UkrSSR (for Borovskiy, Sherenkova's'kiy, Mishnayeveskiy). 2. Kiyevskiy kombinat iskusstvennogo volokna
(for Grits'kov).

KREMNEV, O.A.; BOROVSKIY, V.R.; SHELIMANOV, V.A.; SHERENKOVSKIY, E.V.

Heat treatment of synthetic fibers during their stretch forming. Khim.
volok no.6:18-23 '63. (MIRA 17:1)

1. Institut teploenergetiki AN UkrSSR.

KREMNEV, O.A.; BOROVSKIY, V.R.; CHAVDAROV, A.S.; ROZHEN, A.P.;
SHIMKO, I.G.

Oxidation of alkali cellulose by ozonized air. Khim. volok.
no.4:34-37 '63. (MIRA 16:8)

1. Institut teploenergetiki AN UkrSSR (for Kremnev, Borovskiy,
Cavdarov, Rozhen). 2. Kiyevskiy kombinat iskusstvennogo
volokna (for Shimko).

KREMNEV, O.A. [Kremniev, O.A.]; BOROVSKIY, V.R. [Borovs'kyi, V.R.];
PIYEVSKIY, I.M. [Pilevs'kyi, I.M.]; VYRICHEK, L.D. [Vrychek,
L.D.]

Continuous thermal plasticization of polyethyleneterephthalate
films. Khim. prom.[Ukr.] no.1:8-11 Ja-Mr '65. (MIRA 18:4)

KREMNEV, O.A. [Kremniov, O.A.]; BOROVSKIY, V.R. [Borov'skiy, V.R.]

Intensification of heat exchange in the chemical technology. Khim.
prom. [Ukr.] no.2:38-39 Ap-Je '65. (MIRA 18:6)

BOROVSKIY, V.R. [Borovs'kyi, V.R.]; DUKHNENKO, N.T. [Dukhnenko, M.T.]

Effect of the form of the boundary layer on the heat emission
of small cylindrical bodies in an air stream. Dop. AN URSSR
no.2:207-210 '65. (MIRA 18:2)

1. Institut tekhnicheskoy teplofiziki AN UkrSSR.

ENP(v)/EPR/EEC(t)/T/ENP(k)/EPA(bb)-2/EWA(h)/EWA(1) Po-4/PQ-4/PE-4/P-4/
Pg-4/P-4/P1-4/Peb 10/11 EN/WH

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AUTHOR: Borova'kyi, V. R. (Borovskiy, V.R.); Dukhmenko, M.T. (Dukhmenko, N.T.)

TITLE: Effect of the shape of the boundary layer on the heat loss of cylindrical bodies of small dimension in a stream of air

SOURCE: AN UkrRSR. Dopovid, no. 2, 1965, 207-210

TOPIC TAGS: heat transfer, ²¹heat exchange, boundary layer, cylindrical body

ABSTRACT: The authors analyze the experimental data on heat transfer of small cylindrical bodies. The quantities analyzed are the dependence of the thickness of the boundary layer on the speed of the cooling air stream and on the diameter of the cylinder in the case of longitudinal flow around the cylinder, the dependence of the heat conductivity on the velocity of the air stream and the diameter of the cylinder for longitudinal flow, and the same relationships for transverse flow. The analysis is based on a reduction of the experimental dependence of the Nusselt number on the Reynolds number, and is presented in the form of plots of the boundary layer thickness and of the thermal conductivity of the boundary layer against the relative air velocity. The thickness of the boundary layer increases

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with increasing sample diameter, and decreases with increasing air velocity, while the thermal conductivity decreases with increasing diameter and with increasing air velocity. The results offer evidence of the strong influence that a cylindrical shape of the boundary layer exerts on its thickness and on its thermal conductivity, and consequently also on the intensity of heat transfer from a small-radius cylindrical body. It is concluded that such cylinders can be used in the construction of heat exchangers and other devices where forced heat exchange is required. This report was presented by I. T. Shvets'. Orig. art. has: 4 figures, 2 formulas, and 2 tables. [02]

ASSOCIATION: Instytut tekhnicheskoy teplofiziki AN URSR (Institute of Technical Thermophysics, AN URSR)

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AUTHOR: Kremnev, O. A.; Borovskiy, V. R.; Mishnayeveskiy, L. M.-G.;
Shimko, I. G.; Khruzin, N. A.; Gritskov, I. V. 34/3

ORG: none

TITLE: Method of lowering the content of low-molecular compounds and moisture in polycaprolactam . Class 39, No. 178097 15

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 2, 1966, 93

TOPIC TAGS: polycaprolactam , lactam, polymer, chemistry technique

ABSTRACT: This Author Certificate describes a method for lowering the content and moisture in polycaprolactam by heat treatment in an inert medium. To accelerate the process, the particles of polycaprolactame are subjected to heat treatment at 200--210C in a fluidized bed.

[LD]

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SOROKO, L.N., inzh.; FILONOV, V.A., inzh.; KSENZUK, F.A., inzh.;
TSIRLIN, B.M., inzh.; PAVLISHCHEV, V.B., inzh. Prinimali
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LAZUTIN, A.G.; ZAVERYUKHA, A.Kh.; FRANTSENYUK, I.V.; ORLOVA, T.K.

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(Rolling mills—Equipment and supplies)
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Radioactive Tracers

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SO: CMI 134, 19 Aug 1954